

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------|------------------|---------|------------------|
| L48   | 60   | (442/198).ccls.  | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 16:38 |
| L47   | 52   | 46 and epoxy   | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 15:21 |
| L46   | 160  | 45 and (carbon with nanotube)  | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 15:21 |
| L45   | 4488 | 3-aminopropyltriethoxysilane   | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 15:21 |
| L44   | 1    | ("5604269").PN.  | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2009/10/16 15:19 |
| L42   | 29   | (nanotube) and (organosilane with coupling)  | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 14:50 |
| L41   | 35   | (carbon with nanotube) and (organosilane same coupling)  | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 14:34 |
| L40   | 17   | ("2003008123"   "20030113539"   "20030161959"   "20040134679"   "20050069718"   "20070199729"   "4760296"   "5433906"   "5462903"   "6228904"   "6344271"   "6417265"   "6498208"   "6554609"   "6599631"   "6607821"   "7013965").PN. | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 14:17 |
| L39   | 1    | ("20040219093").PN.  | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2009/10/16 14:13 |
| L38   | 1    | 3-glycidoxypropyltrimethoxysilane  | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 14:05 |
| L37   | 65   | vinyltriethoxysilane and (carbon with nanotube) and functional\$   | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 13:35 |
| L36   | 84   | vinyltriethoxysilane and (carbon with nanotube)  | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 13:35 |
| L35   | 7369 | vinyltriethoxysilane   | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 13:35 |
| L34   | 1    | 33 and woven   | US-PGPUB; USPAT; USOCR | OR               | ON      | 2009/10/16 12:34 |

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|-----|--------|--|------------------------------|----|-----|---------------------|
| L33 | 2      | ("3312569").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/10/16<br>12:34 |
| L32 | 4      | 31 and woven   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>12:33 |
| L31 | 8      | ((US-20070298669-\$ or US-20060159916-\$ or US-20030116757-\$ or US-20040219093-\$ or US-20050191490-\$).did. or (US-7579077-\$ or US-7285591-\$).did. or (US-3705125-\$).did.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>12:33 |
| L28 | 4      | (functionaliz\$ same nanotube same organosilane)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>12:28 |
| L26 | 1      | ("7285591").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/10/16<br>12:03 |
| L23 | 27     | (reinforc\$ same composite) and (((glass with fiber) or fiberglass) same ((size\$ or resize\$ or siz\$3 or resiz\$3) same organosilane) and (epoxy same matrix)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>11:11 |
| L22 | 28     | 20 and 21  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>10:58 |
| L21 | 53     | (reinforc\$ same composite) and (((glass with fiber) or fiberglass) same ((size\$ or resize\$ or siz\$3 or resiz\$3) same organosilane)) and epoxy   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>10:57 |
| L20 | 219    | 10 and 19  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>10:57 |
| L19 | 250059 | ("428"/\$).ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>10:57 |
| L17 | 57     | ("20020037247"   "20020037383"   "20020049495"   "20020090725"   "20020092423"   "20020130311"   "20020167118"   "20020172963"   "20030032892"   "20030059742"   "20030065355"   "20030089899"   "20030093107"   "20030119920"   "20030195611"   "20030211129"   "20030229393"   "20040009598"   "20040018371"   "20040023317"   "20040052867"   "20040076681"   "20040106203"   "20040115239"   "20050038498"   "20050096509"   "5196396"   "5252835"   "5840435"   "5897945"   "5976957"   "5997832"   "6012924"   "6036774"   "6099965"   "6106913"   "6130143"   "6159742"   "6190634"   "6207229"   "6265333"   "6268041"   "6270347"   "6280390"   "6288390"   "6313015"   "6322895"   "6359288"   "6361861"   "6362011"   "6399177"   "6666214"   "6670179" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/16<br>10:55 |

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|-----|-----|---|------------------------|----|-----|------------------|
|     |     | "6720240"   "6794196"   "6811957"   "7064372").PN.  |                        |    |     |                  |
| L13 | 19  | 10 and (nanotube)   | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:52 |
| L10 | 417 | (reinforc\$ same composite) and (((glass with fiber) or fiberglass) same ((size\$ or resize\$ or siz\$3 or siz\$3) same (silane or organosilane))) and epoxy    | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:51 |
| L8  | 27  | 7 not 5   | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:42 |
| L7  | 52  | (nanofiber) and (((glass with fiber) or fiberglass) and ((size\$ or resize\$ or siz\$3 or resize\$3) same (silane or organosilane))) and epoxy                  | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:42 |
| L6  | 13  | 5 not 4   | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:42 |
| L5  | 88  | (nanotube) and (((glass with fiber) or fiberglass) and ((size\$ or resize\$ or siz\$3 or resize\$3) same (silane or organosilane))) and epoxy                   | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:42 |
| L4  | 75  | (carbon with nanotube) and (((glass with fiber) or fiberglass) and ((size\$ or resize\$ or siz\$3 or resize\$3) same (silane or organosilane))) and epoxy       | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:32 |
| L3  | 332 | (carbon with nanotube) and ((silane same modif\$3) or silane\$modif\$3) and fiber   | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:31 |
| L2  | 13  | ("4335028"   "5091462"   "5760106"   "5973053"   "6117932"   "6239195"   "6251980"   "6271297"   "6384121"   "6552113"   "6586500"   "6653388"   "6770696").PN. | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/16 10:28 |
| L1  | 1   | ("20050191490").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/10/16 10:25 |
| S40 | 52  | (carbon same nanotube) and (3-aminopropyltriethoxysilane) and epoxy   | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/15 15:17 |
| S39 | 20  | S31 and (3-aminopropyltriethoxysilane)  | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/15 15:16 |
| S38 | 2   | S10 and (3-aminopropyltriethoxysilane)  | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/15 15:16 |
| S37 | 26  | S20 and S31   | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/15 15:09 |
| S36 | 3   | S35 and ((silane or organosilane) same functionaliz\$)  | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/10/15 15:07 |

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|-----|------|---|------------------------------|----|----|---------------------|
| S35 | 13   | (nanotube and (silane or organosilane))<br>ab.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>15:06 |
| S32 | 94   | S31 and organosilane  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:56 |
| S31 | 1599 | nanotube and ((glass with fiber) or<br>fiberglass) and epoxy  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:56 |
| S30 | 23   | S29 not S28   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:55 |
| S29 | 27   | S26 and organosilane  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:55 |
| S28 | 29   | S27 and (single\$wall\$ or swnt or swcnt)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:43 |
| S27 | 155  | S26 not S23   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:43 |
| S26 | 181  | (carbon with nanotubes) and ((silane<br>same modif\$3) or silane\$modif\$3) and<br>((glass with fiber) or fiberglass)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:43 |
| S25 | 198  | (carbon with nanotubes) and ((silane<br>same functionaliz\$3) or silane<br>\$functionaliz\$3) and fiber   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:40 |
| S23 | 49   | (carbon with nanotubes) and ((silane<br>same functionaliz\$3) or silane<br>\$functionaliz\$3) and ((glass with fiber)<br>or fiberglass)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:39 |
| S22 | 1    | S21 not S18   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:39 |
| S21 | 50   | (carbon with (nanomaterials or<br>nanotubes) or swnt or swcnt or (single<br>\$wall\$2 with nanotube)) and ((silane<br>same functionaliz\$3) or silane<br>\$functionaliz\$3) and ((glass with fiber)<br>or fiberglass) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:38 |
| S20 | 203  | ((carbon with (nanomaterials or<br>nanotubes)) or swnt or swcnt or (single<br>\$wall\$2 with nanotube)) and ((silane<br>same functionaliz\$3) or silane<br>\$functionaliz\$3) and composite                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:38 |
| S19 | 199  | ((carbon with nanotubes) or swnt or<br>swcnt or (single\$wall\$2 with nanotube))<br>and ((silane same functionaliz\$3) or<br>silane\$functionaliz\$3) and composite   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:38 |
| S18 | 49   | ((carbon with nanotubes) or swnt or<br>swcnt or (single\$wall\$2 with nanotube))<br>and ((silane same functionaliz\$3) or<br>silane\$functionaliz\$3) and ((glass with<br>fiber) or fiberglass)                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/10/15<br>14:28 |

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|-----|-----|---|------------------------------|----|-----|---------------------|
| S17 | 1   | ("7452828").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/10/15<br>14:27 |
| S16 | 1   | ("20060171874").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/10/15<br>14:12 |
| S15 | 2   | S10 and ((silane same functionaliz\$3)<br>or silane\$functionaliz\$3) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:10 |
| S14 | 1   | S13 and ((silane same functionaliz\$3)<br>or silane\$functionaliz\$3) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:10 |
| S13 | 49  | S11 or S12  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:09 |
| S12 | 41  | S11 and (swnt or swcnt)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:09 |
| S11 | 49  | S10 and (carbon with nanotubes)                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:09 |
| S10 | 416 | S3 or S4 or S5 or S6 or S7 or S8 or S9                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:09 |
| S9  | 173 | (kim-jong-dae).in.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:09 |
| S8  | 7   | (margrave-mary\$).in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:08 |
| S7  | 43  | (margrave-joh\$).in.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:08 |
| S6  | 16  | (khabashesku-valer\$).in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:08 |
| S5  | 174 | (zhang-lei).in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:08 |
| S4  | 14  | (zhu-jiang).in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:08 |
| S3  | 19  | (barrera-enrique\$).in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/10/15<br>14:08 |
| S2  | 2   | ((5374415") or ("6645455")).PN.                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/10/15<br>11:55 |
| S1  | 1   | ("20070298669").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/10/15<br>11:40 |

10/16/2009 4:45:35 PM

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